

WHAT IS CLAIMED IS:

1. A data marker integrated device communication system, comprising:
a data marker integrated device configured to store one or more data
marks;

5 a network device configured to establish wireless communication with
the data marker integrated device to receive said one or more data marks from
said data marker integrated device; and

a server terminal configured to connect to said network device for data
communication.

10 2. The system of claim 1 wherein each of said one or more data marks
includes a time stamp information.

15 3. The system of claim 1 wherein said data marker integrated device
includes one of an electronic music marker integrated radio, and an electronic
music marker integrated audio playback device.

20 4. The system of claim 1 wherein said network device includes one of a
wireless application protocol (WAP) enabled mobile telephone, an i-mode
mobile telephone, and an internet access enabled personal digital assistant.

25 5. The system of claim 1 wherein said wireless communication between
said network device and said data marker integrated device is established with
Bluetooth communication protocol.

6. The system of claim 1 wherein said data marker integrated device
includes an interface unit configured to establish wireless communication under
Bluetooth communication protocol.

30 7. The system of claim 6 wherein said network device includes an interface
unit configured to establish wireless communication under Bluetooth
communication protocol.

8. The system of claim 7 wherein said Bluetooth communication protocol operates at approximately 2.4 GHz.

5 9. The system of claim 1 wherein said data marker integrated device is configured to transmit device identification code to said network device.

10 10. The system of claim 1 wherein said server terminal is configured to receive said one or more data marks from said network device.

11. The system of claim 10 wherein said server terminal is further configured to transmit a transmission acknowledgement message to said network device.

15 12. The system of claim 11 wherein said network device is configured to display said transmission acknowledgement message.

13. The system of claim 11 wherein said network device is configured to transmit said transmission acknowledgement message to said data marker integrated device.

20 14. The system of claim 13 wherein said data marker integrated device is configured to delete said stored one or more data marks after receiving said transmission acknowledgement message from said network device.

25 15. The system of claim 1 further including a user terminal configured to connect to said server terminal.

30 16. The system of claim 15 wherein said user terminal includes one of a desktop computer, a laptop computer, and a handheld computer.

17. The system of claim 15 wherein said user terminal is connected to said

server terminal via TCP/IP protocol.

18. The system of claim 15 wherein said user terminal is configured to receive information corresponding to said one or more data marks from said server terminal.

19. The system of claim 18 wherein said information corresponding to said one or more data marks includes one or more of a name of a broadcast music clip corresponding to said one or more data marks, a name of the artist of a broadcast music clip corresponding to said one or more data marks, a name of the album of a broadcast music clip corresponding to said one or more data marks, and a purchase information for a music album corresponding to a broadcast music clip related to said one or more data marks.

20 15 20. A method, comprising:
receiving one or more stored data marks via a wireless communication path;
establishing a connection to a server terminal; and
transmitting said received one or more data marks using said established connection.

25 21. The method of claim 20 wherein said wireless communication path includes a wireless communication link under Bluetooth communication protocol.

22. The method of claim 20 further including receiving a device identification code via said wireless communication path.

30 23. The method of claim 22 further including transmitting said device identification code using said established connection to said server terminal.

24. The method of claim 20 wherein said connection includes a wireless

application protocol connection.

25. The method of claim 20 further including transmitting a transmission acknowledgement message via said connection.

5

26. The method of claim 25 further including displaying said transmission acknowledgement message.

10 27. The method of claim 25 further including deleting said one or more data marks after receiving said transmission acknowledgement message.

28. The method of claim 20 further including retrieving information corresponding to said one or more data marks.

15

29. The method of claim 28 further including transmitting said retrieved information to a user terminal.

20 30. The method of claim 28 wherein said retrieved information includes one or more of a name of a broadcast music clip corresponding to said one or more data marks, a name of the artist of a broadcast music clip corresponding to said one or more data marks, a name of the album of a broadcast music clip corresponding to said one or more data marks, and a purchase information for the purchase of a music album of a broadcast music clip corresponding to said one or more data marks.

25

31. A method, comprising:

storing a data mark;

transmitting said stored data mark via a Bluetooth protocol connection; receiving said transmitted data mark; and

30

transmitting said received data mark via a wireless connection.

32. The method of claim 31 further including receiving a device

THE FIFTEEN PAGES THAT PRECEDE THIS PAGE ARE PART OF THIS DOCUMENT

identification code via said wireless connection.

33. The method of claim 31 further including transmitting a device identification code via said wireless connection.

5

34. The method of claim 31 wherein said wireless connection includes a wireless application protocol connection.

35. The method of claim 31 further including receiving a transmission acknowledgement message via said wireless connection.

10

36. The method of claim 35 further including displaying said received transmission acknowledgement message.

15

37. The method of claim 31 further including deleting said stored data mark.

38. The method of claim 31 further including retrieving information corresponding to said data mark.

20

39. The method of claim 38 further including transmitting said retrieved information to a user terminal.

40. The method of claim 38 further including displaying said retrieved information.

25

41. The method of claim 38 wherein said retrieved information includes one of a name of a music clip corresponding to said data mark, a name of a music album corresponding to said data mark, a name of the artist for a music clip corresponding to said data mark, and a purchase information for the purchase of a music album corresponding to said data mark.

30

42. A data marker integrated device communication system, comprising:

means for receiving one or more stored data marks via a wireless communication path;
means for establishing a connection to a server terminal; and
means for transmitting said received one or more data marks using said established connection.

5 43. A data marker integrated device communication system, comprising:

10 means for storing a data mark;
means for transmitting said stored data mark via a Bluetooth protocol connection;
means for receiving said transmitted data mark; and
means for transmitting said received data mark via a wireless connection.

15